

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

10/578, 580

Source:

IFWP

Date Processed by STIC:

5-22-06

# ***ENTERED***

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/S78, 580

CRF Edit Date: 5-22-06  
Edited by: Ze

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 05/22/2006

PATENT APPLICATION: US/10/578,580

TIME: 09:47:22

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05222006\J578580.raw

```

3 <110> APPLICANT: AMGEN INC.
4   Aldrich, Teri
5   Shen, Wenyan
6   Jacobsen, Frederick W.
7   Morris, Arvia E.
8   Allen, Martin J.
10 <120> TITLE OF INVENTION: Monkey Immunoglobulin Sequences
12 <130> FILE REFERENCE: A-951 (WO)
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/578,580
C--> 15 <141> CURRENT FILING DATE: 2006-05-05
17 <150> PRIOR APPLICATION NUMBER: US 60/517,970
18 <151> PRIOR FILING DATE: 2003-11-07
20 <160> NUMBER OF SEQ ID NOS: 86
22 <170> SOFTWARE: PatentIn version 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 999
26 <212> TYPE: DNA
27 <213> ORGANISM: Macaca fascicularis
29 <400> SEQUENCE: 1
30 gcctccacca agggcccatc ggtcttcccc ctggcgccct cctccaggag cacctccgag      60
32 agcacagcgg ccctgggctg cctgggtcaag gactacttcc ctgaaccctg gaccgtgtcg      120
34 tggaactcag gctccctgac cagcggcgctg cacaccttcc cggctgtcct acagtctctca      180
36 gggctctact ccctcagcag cgtgggtgacc gtgccctcca gcagcttggg caccagacc      240
38 tacgtctgca acgtaaacca caagcccagc aacaccaagg tggacaagag agttgagata      300
40 aaaacatgtg gtgggtggcag caaacctccc acgtgcccac cgtgcccagc acctgaactc      360
42 ctgggggggac cgtcagtcct cctcttcccc caaaaccca aggacaccct catgatctcc      420
44 cggacccttg aggtcacgtg cgtgggtgta gacgtgagcc aggaagacc cgtatgtcaag      480
46 ttcaactggg acgtaaattg cgcgagggtg catcatgccc agacgaagcc acgggagacg      540
48 cagtacaaca gcacatatcg tgtgggtcagc gtccctaccg tcacgcacca ggactggctg      600
50 aacggcaagg agtacacgtg caaggtctcc aacaaagccc tcccggcccc catccagaaa      660
52 accatctcca aagacaaagg gcagccccga gacctcagg tgtacaccct gccccgtcc      720
54 cgggaggagc tgaccaagaa ccaggtcagc ctgacctgcc tgggtcaaagg cttctacccc      780
56 agcgacatcg tcgtggagtg ggagagcagc gggcagccgg agaacaccta caagaccacc      840
58 ccgcccgtgc tggactccga cggctcctac ttctctaca gcaagctcac cgtggacaag      900
60 agcaggtggc agcaggggaa cgtcttctca tgctccgtga tgcattgagg tctgcacaac      960
62 cactacaccc agaagagcct ctccctgtct ccgggtaaa      999
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 333
67 <212> TYPE: PRT
68 <213> ORGANISM: Macaca fascicularis
70 <400> SEQUENCE: 2
72 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Arg
73 1          5          10          15

```

## RAW SEQUENCE LISTING

DATE: 05/22/2006

PATENT APPLICATION: US/10/578,580

TIME: 09:47:22

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05222006\J578580.raw

```

76 Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
77          20          25          30
80 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ser Leu Thr Ser
81          35          40          45
84 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
85          50          55          60
88 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
89 65          70          75          80
92 Tyr Val Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
93          85          90          95
96 Arg Val Glu Ile Lys Thr Cys Gly Gly Gly Ser Lys Pro Pro Thr Cys
97          100         105         110
100 Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu
101          115         120         125
104 Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
105          130         135         140
108 Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Asp Val Lys
109 145          150          155          160
112 Phe Asn Trp Tyr Val Asn Gly Ala Glu Val His His Ala Gln Thr Lys
113          165          170          175
116 Pro Arg Glu Thr Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu
117          180          185          190
120 Thr Val Thr His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Thr Cys Lys
121          195         200         205
124 Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Gln Lys Thr Ile Ser Lys
125          210         215         220
128 Asp Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
129 225          230          235          240
132 Arg Glu Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
133          245          250          255
136 Gly Phe Tyr Pro Ser Asp Ile Val Val Glu Trp Glu Ser Ser Gly Gln
137          260          265          270
140 Pro Glu Asn Thr Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
141          275          280          285
144 Ser Tyr Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
145          290          295          300
148 Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
149 305          310          315          320
152 His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
153          325          330
156 <210> SEQ ID NO: 3
157 <211> LENGTH: 1581
158 <212> TYPE: DNA
159 <213> ORGANISM: Macaca fascicularis
161 <400> SEQUENCE: 3
162 gcctccacca agggcccatc ggtcttcccc ctggcgctcct gctccaggag cacctcccag      60
164 agcacagcgg cctgggctg cctgggtcaag gactacttcc ccgaaccctg gaccgtgtcg      120
166 tggaactcag gcgcctgac cagcggcgtg cacaccttcc aggtgtcct acagtctca      180
168 gggctctact ccctcagcag cgtggtgacc gtgcctcca gcagcttggg cactcagacc      240

```

## RAW SEQUENCE LISTING

DATE: 05/22/2006

PATENT APPLICATION: US/10/578,580

TIME: 09:47:22

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05222006\J578580.raw

```

170 tacgtctgca acgtcgttca tgagcccagc aacaccaagg tggacaagac agttggtgag 300
172 aggccagcga ggggaagggg gtgtctgctg gaagccaggc tcggccctcc tgcctggaca 360
174 aactctggct gtgcagcccc agcccagggc agcagggcag gcccgcgtctg tcttctcacc 420
176 cagaggcctc tgcccacccc actcatgctc agggagccag tcttctggct ttttccacca 480
178 ggctctgagc aggcacaggc tggatgcccc taccacaggc cctgcacaca caggggcagg 540
180 tgctgggctc agacctgcca agagccatat ctgggaggac cctgccctga cctaagccca 600
182 ccccaaaggc caaactccac tccctcagct cagacacctt ctctcctccc acatcccagt 660
184 aactcccaat cttctctctg cagggtcccc atgtcgttcc acgtgcccac cgtgcccagg 720
186 taagccagcc caggcctcac cctccagctc aaggtgggac aagcgcccta gagtggcctg 780
188 tgtccagggg caggccctgc ccgggtgctg acacgtccac ctccatctct tcctcagctg 840
190 aactcctggg gggaccgtca gtcttctctt tcccccaaaa acccaaggac accctcatga 900
192 tttcccgagc ccctgaggtc acgtgcgtgg tggtagacgt gagccaggaa gaacccgatg 960
194 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcacaa tgcccagacg aagccacggg 1020
196 aggagcagtt caacagcacg taccgcgtgg tcagcgtcct caccgtcaca caccaggact 1080
198 ggctgaacgg caaggagtac acgtgcaagg tctccaacaa agccctcccg gccccaaagc 1140
200 agaaaactgt ctccaaaacc aaaggtggga ccgcggggc acgagggcca cgtggacaga 1200
202 ggccggctca gccaccctc tgccctggga gtgaccgtg tgccaacctc tgtccctaca 1260
204 gggcagcccc gagagccaca ggtgtacacc ctgccccgcg ccggggagga gctgaccaag 1320
206 aaccagggtc gcctgacctg cctggtcaaa ggcttctacc ccagcgacat cgtcgtggag 1380
208 tgggcgagca acgggcagcc ggagaacacc tacaagacca cccgcgccgt gctggactcc 1440
210 gacggctcct acttctctta cagcaagctc accgtggaca agagcagggt gcagcagggg 1500
212 aacaccttct catgctcctg gatgcatgag gctctgcaca accactacac ccagaagagc 1560
214 ctctccgtgt ctccgggtaa a
1581

```

217 &lt;210&gt; SEQ ID NO: 4

218 &lt;211&gt; LENGTH: 326

219 &lt;212&gt; TYPE: PRT

220 &lt;213&gt; ORGANISM: Macaca fascicularis

222 &lt;400&gt; SEQUENCE: 4

```

224 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Ser Cys Ser Arg
225 1 5 10 15
228 Ser Thr Ser Gln Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
229 20 25 30
232 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
233 35 40 45
236 Gly Val His Thr Phe Gln Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
237 50 55 60
240 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
241 65 70 75 80
245 Tyr Val Cys Asn Val Val His Glu Pro Ser Asn Thr Lys Val Asp Lys
246 85 90 95
249 Thr Val Gly Leu Pro Cys Arg Ser Thr Cys Pro Pro Cys Pro Ala Glu
250 100 105 110
253 Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
254 115 120 125
257 Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
258 130 135 140
261 Val Ser Gln Glu Glu Pro Asp Val Lys Phe Asn Trp Tyr Val Asp Gly
262 145 150 155 160
265 Val Glu Val His Asn Ala Gln Thr Lys Pro Arg Glu Glu Gln Phe Asn

```

## RAW SEQUENCE LISTING

DATE: 05/22/2006

PATENT APPLICATION: US/10/578,580

TIME: 09:47:22

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05222006\J578580.raw

266				165				170				175				
269	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Thr	His	Gln	Asp	Trp
270				180				185				190				
273	Leu	Asn	Gly	Lys	Glu	Tyr	Thr	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro
274			195					200				205				
277	Ala	Pro	Lys	Gln	Lys	Thr	Val	Ser	Lys	Thr	Lys	Gly	Gln	Pro	Arg	Glu
278		210					215					220				
281	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Pro	Arg	Glu	Glu	Leu	Thr	Lys	Asn
282	225					230				235					240	
285	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile
286				245				250				255				
289	Val	Val	Glu	Trp	Ala	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Thr	Tyr	Lys	Thr
290			260					265				270				
293	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Tyr	Phe	Leu	Tyr	Ser	Lys
294			275					280				285				
297	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Thr	Phe	Ser	Cys
298		290				295					300					
301	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu
302	305				310			315				320				
306	Ser	Val	Ser	Pro	Gly	Lys										
307				325												
310	<210> SEQ ID NO: 5															
311	<211> LENGTH: 1579															
312	<212> TYPE: DNA															
313	<213> ORGANISM: Macaca fascicularis															
315	<400> SEQUENCE: 5															
316	gcctccacca	agggcccatc	gggtcttcccc	ctggcgctcct	cctccaggag	cacctccgag	60									
318	agcacagcgg	ccctgggctg	cctgggtcaag	gactacttcc	ccgaaccctg	gactgtgtcg	120									
320	tggaactcag	gcgccttgac	cagcggcgtg	cacaccttcc	cggtctgtct	acagtctctca	180									
322	gggtctctact	ccctcagcag	cgtgggtgacc	gtgccctcca	gcagcttggg	caccagacc	240									
324	tacgtctgca	acgtcgttca	tgagcccagc	aacaccaagg	tggaacaagag	agttggtgag	300									
326	aggccagcga	gggaggggga	gtgtctgctg	gaagccatgc	tcggccctcc	tgcttgga	360									
328	aaccctggct	gtgcagcccc	agcccagggc	agcagggcag	gcccggctctg	tctcctcacc	420									
330	cagaggcctc	tgcccacccc	actcatgctc	agggagacag	tcttctggct	ttttccacca	480									
332	gactccgagc	aggcacaggc	tggtatgccc	taccccaggc	tctgcacaca	taggggctgg	540									
334	tgctgggctc	agacctgcca	agagccatat	ctgggaggac	cctgctcctg	acctaaagccc	600									
336	accccaaagg	ccaaactcca	ctccctcagc	tcggaaacct	tctctctctac	cagatcccag	660									
338	taactcccaa	tcttctctct	gcagagttca	cacccccatg	cccaccatgc	ccaggtgaagc	720									
340	cagcccaggc	ctcgccctcc	agctcaaggt	gggacaagtg	ccctagagtg	gcctgtgtcc	780									
342	aggacaggc	cccgcctggg	tgctgacatg	cccacctcca	tctcttctct	agcacctgaa	840									
344	ctcctggggg	gaccgtcagt	cttcctcttc	cccccaaac	ccaaggacac	cctcatgatc	900									
346	tcccggaacc	ctgaggtcac	atgcgtgggtg	gtggacgtga	gccaggaaga	ccccgaggtc	960									
348	cagttcaact	ggtacgtgga	cggcgtggag	gtgcatcatg	cccagacgaa	gccacgggag	1020									
350	aggcagttca	acagcacgta	ccgcgtgggtc	agcgtcctca	ccgtcacaca	ccaggactgg	1080									
352	ctgaacggca	aggagtacac	gtgcaaggtc	tccaacaaag	gcctcccggc	ccccatcgag	1140									
354	aaaaccatct	ccaaagccaa	aggtgggacc	cgcggggccc	gagggccacg	tggaacagagg	1200									
356	ccggctcagc	ccaccctctg	ccctgggagt	gaccgctgtg	ccaacctctg	tccctacagg	1260									
358	gcagccccga	gagccgcagg	tgtacatcct	gccccgcgcc	caggaggagc	tgaccaagaa	1320									
360	ccaggtcagc	ctgacctgcc	tggtcacagg	cttctacccc	agcgacatcg	ccgtggagtg	1380									

## RAW SEQUENCE LISTING

DATE: 05/22/2006

PATENT APPLICATION: US/10/578,580

TIME: 09:47:23

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05222006\J578580.raw

```

362 ggagagcaac gggcagccgg agaacaccta caagaccacc ccgcccgtgc tggactccga 1440
364 cggctcctac ttcctctaca gcaagctcat cgtggacaag agcaggtggc agcaggggaa 1500
366 caccttctca tgctccgtga tgcattgaggc tctgcacaac cactacaccc agaagagcct 1560
368 ctccctgtct ccgggtaaa 1579
371 <210> SEQ ID NO: 6
372 <211> LENGTH: 325
373 <212> TYPE: PRT
374 <213> ORGANISM: Macaca fascicularis
376 <400> SEQUENCE: 6
378 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Ser Ser Ser Arg
379 1 5 10 15
382 Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
383 20 25 30
386 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
387 35 40 45
390 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
391 50 55 60
394 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
395 65 70 75 80
398 Tyr Val Cys Asn Val Val His Glu Pro Ser Asn Thr Lys Val Asp Lys
399 85 90 95
402 Arg Val Glu Phe Thr Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Leu
403 100 105 110
406 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
407 115 120 125
410 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
411 130 135 140
414 Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val
415 145 150 155 160
418 Glu Val His His Ala Gln Thr Lys Pro Arg Glu Arg Gln Phe Asn Ser
419 165 170 175
422 Thr Tyr Arg Val Val Ser Val Leu Thr Val Thr His Gln Asp Trp Leu
423 180 185 190
426 Asn Gly Lys Glu Tyr Thr Cys Lys Val Ser Asn Lys Gly Leu Pro Ala
427 195 200 205
430 Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
431 210 215 220
434 Gln Val Tyr Ile Leu Pro Pro Gln Glu Glu Leu Thr Lys Asn Gln
435 225 230 235 240
438 Val Ser Leu Thr Cys Leu Val Thr Gly Phe Tyr Pro Ser Asp Ile Ala
439 245 250 255
442 Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Thr Tyr Lys Thr Thr
443 260 265 270
446 Pro Pro Val Leu Asp Ser Asp Gly Ser Tyr Phe Leu Tyr Ser Lys Leu
447 275 280 285
450 Ile Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Thr Phe Ser Cys Ser
451 290 295 300
454 Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
455 305 310 315 320

```

**VERIFICATION SUMMARY**

DATE: 05/22/2006

PATENT APPLICATION: US/10/578,580

TIME: 09:47:24

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05222006\J578580.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date



## **Raw Sequence Listing before editing (for reference only)**

---



IFWP

## RAW SEQUENCE LISTING

DATE: 05/17/2006

PATENT APPLICATION: US/10/578,580

TIME: 10:15:14

Input Set : A:\A-951 (WO) SeqListing final 10.19.04.txt

Output Set: N:\CRF4\05172006\J578580.raw

3 <110> APPLICANT: AMGEN INC.  
 4 Aldrich, Teri  
 5 Shen, Wenyan  
 6 Jacobsen, Frederick W.  
 7 Morris, Arvia E.  
 8 Allen, Martin J.  
 10 <120> TITLE OF INVENTION: Monkey Immunoglobulin Sequences  
 12 <130> FILE REFERENCE: A-951 (WO)  
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/578,580  
 C--> 15 <141> CURRENT FILING DATE: 2006-05-05  
 17 <150> PRIOR APPLICATION NUMBER: US 60/517,970  
 18 <151> PRIOR FILING DATE: 2003-11-07  
 20 <160> NUMBER OF SEQ ID NOS: 86  
 22 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply  
 Corrected Diskette Needed  
 (pg.1)

## ERRORED SEQUENCES

3483 <210> SEQ ID NO: 86  
 3484 <211> LENGTH: 109  
 3485 <212> TYPE: PRT  
 3486 <213> ORGANISM: Artificial Sequence  
 3488 <220> FEATURE:  
 3489 <223> OTHER INFORMATION: Antibody variable domain sequences that recognize anti IL-

4R

3491 <400> SEQUENCE: 86  
 3493 Asp Ile Val Leu Thr Gln Thr Pro Ala Thr Leu Ser Leu Ser Pro Gly  
 3494 1 5 10 15  
 3497 Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Gly Ser Ser  
 3498 20 25 30  
 3501 Tyr Leu Ala Trp Tyr Gln Gln Arg Pro Gly Gln Ala Pro Arg Leu Leu  
 3502 35 40 45  
 3505 Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser  
 3506 50 55 60  
 3509 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu  
 3510 65 70 75 80  
 3513 Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro  
 3514 85 90 95  
 3517 Pro Trp Met Phe Gly Gln Gly Thr Lys Val Glu Ile Lys  
 3518 100 105

E--> 3521 A-951 (WO)  
 E--> 3526 37  
 E--> 3529 Express Mail Label No. EV 531746269 US

deleted

**VERIFICATION SUMMARY**

DATE: 05/17/2006

PATENT APPLICATION: US/10/578,580

TIME: 10:15:16

Input Set : A:\A-951 (WO) SeqListing final 10.19.04.txt

Output Set: N:\CRF4\05172006\J578580.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:3521 M:333 E: Wrong sequence grouping, Amino acids not in groups!  
L:3521 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:2  
L:3526 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:86  
L:3529 M:333 E: Wrong sequence grouping, Amino acids not in groups!  
L:3529 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:6  
L:3529 M:252 E: No. of Seq. differs, <211> LENGTH:Input:109 Found:117 SEQ:86